

ABSTRACT OF THE DISCLOSURE

The system maintains both a document-centric and a data-centric representation of data gathered during the ingest stage. Data ingest may be by internal instrument data capture, external data capture and/or manual data capture. Data is managed in a query-able form; communication among data processing modules is effected using XML. The system allows data to be cast to and from a variety of different domain-specific representations, for consumption by a variety of different domain-specific analysis stages.